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H04N 7/088, G06F 17/30

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G4A AUDB
H4F FBB FD22 FD24
U1S S2206

(56) Documents Cited
EP 075833 A2 EP 0705036 A2 WO 97/46011 A1
WO 97/02702 A2 WO 94/14284 A1 US 5609691 A
US 5223924 A

(58) Field of Search

UK CL (Edition P) G4A AUDB, H4F FBB
INT CL⁶ G06F 17/30, H04N 7/088
Online: WPI

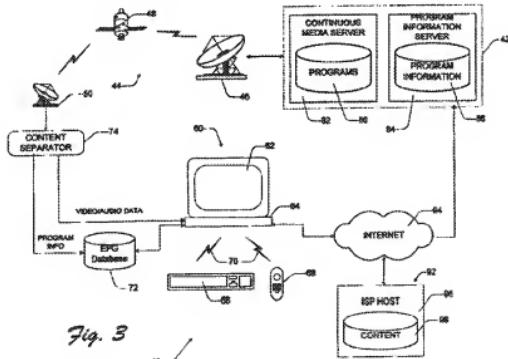
(74) Agent and/or Address for Service

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United Kingdom

(54) Abstract Title

An electronic television programme guide

(57) An electronic programme guide (EPG) database is interrogated to produce a list of programmes that may be of interest to a viewer. Queries may be composed by users or may be developed automatically by inspection of viewing habits or viewer profiles. Viewer profiles may be produced by interrogation of the viewer. User queries may be stored hierarchically and queries relating to different viewers may be merged. Queries may be allowed to run continually to uncover programmes of interest as they arise in the EPG. Queries may restrict selection of certain categories. A 10-key alphanumeric keypad may be used to enter query data. The EPG interprets the data from each key to mean any of the numbers or letters associated therewith and identifies all possible programmes and channels and networks. As the viewer continues to add letters or numbers, the list narrows dynamically until only a few choices remain. The EPG data may be transmitted with the TV signals and may contain links to Web pages.



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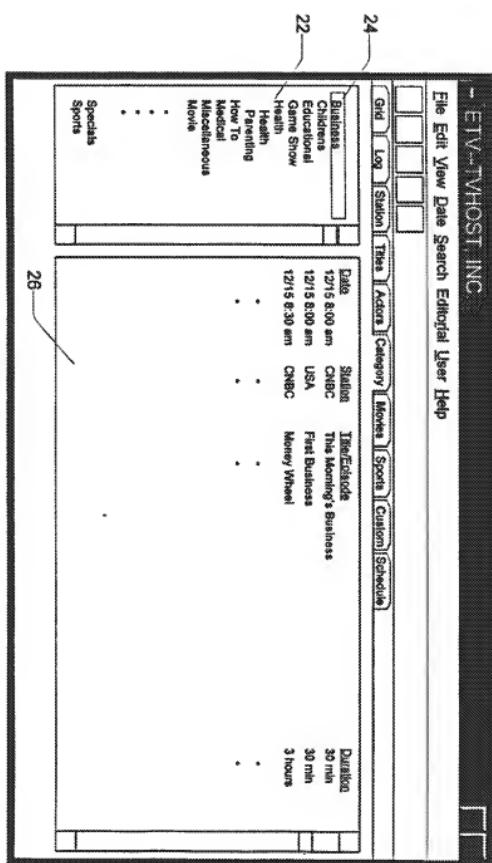


Fig. 1
Prior Art

212

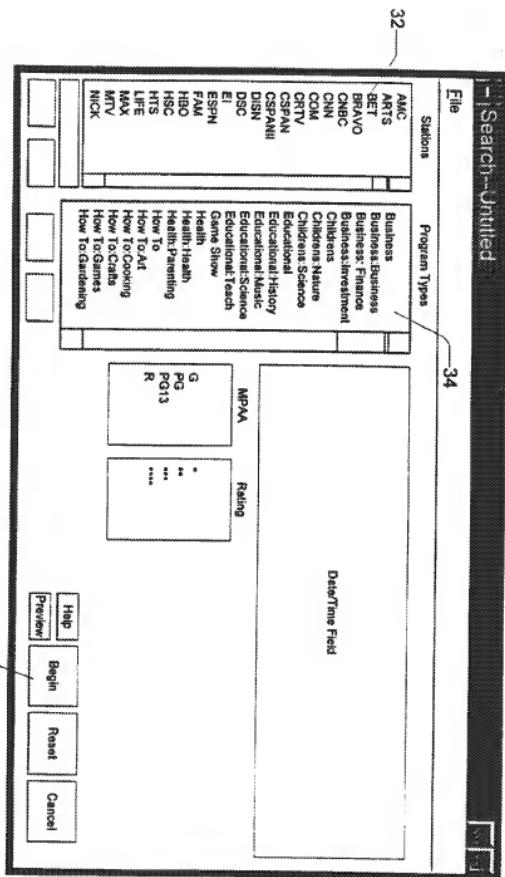
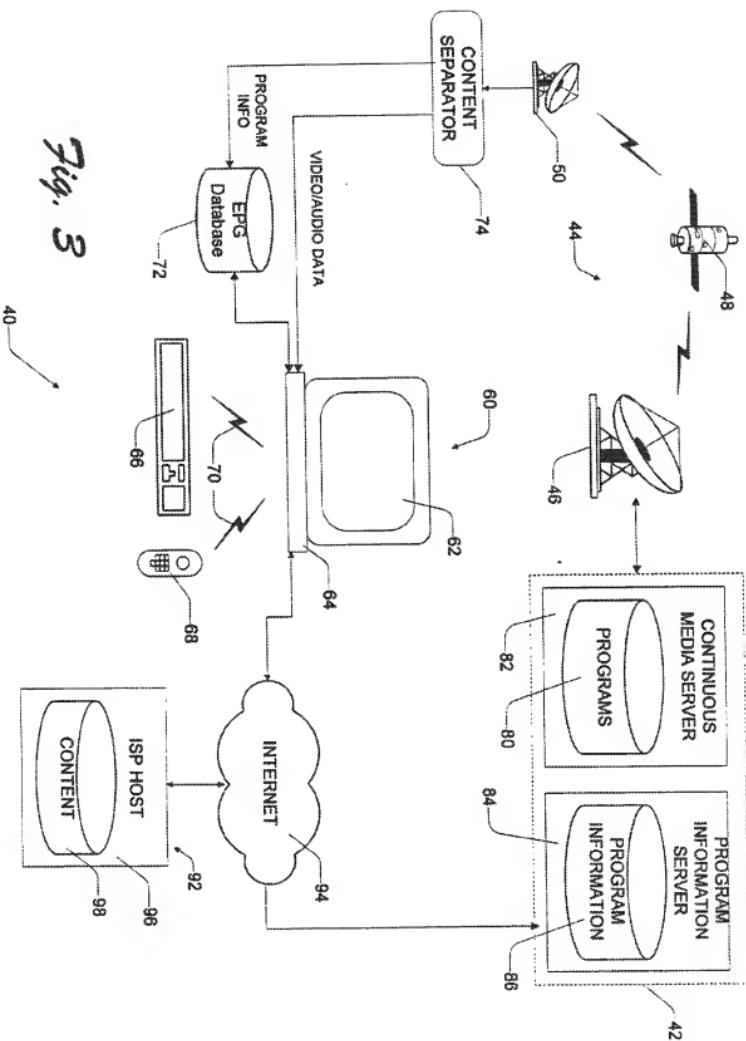


Fig. 2
Prior Art

36

8



| STORAGE POINTER | TITLE | ACTOR | CC | STEREO | TIME | NETWORK | SUPPLEMENTAL CONTENT | DESCRIPTION |
|--------------------|-----------------------|-----------|-----|--------|---------------------|---------|--|--|
| PROG1 | MURDER, SHE WROTE | LANDSBURY | YES | YES | 8:00 PM THURSDAY | CBS | http://www.nbc.com/ seinfeld.htm | "The Secret of Gila Junction" Jessica... |
| PROG2 | SEINFELD | SEINFELD | YES | YES | 9:00 PM THURSDAY | NBC | http://www.nbc.com/ seinfeld.htm | "The Friars Club" Jerry tries... |
| PROG3 | STAR TREK NEXT GEN | STEWART | YES | YES | 10:00 PM FRIDAY | FOX | http://www.fox.com/ startrek.htm http://www.collections.com/ trekcollectables.htm | "Della Vega" Picard is faced... |

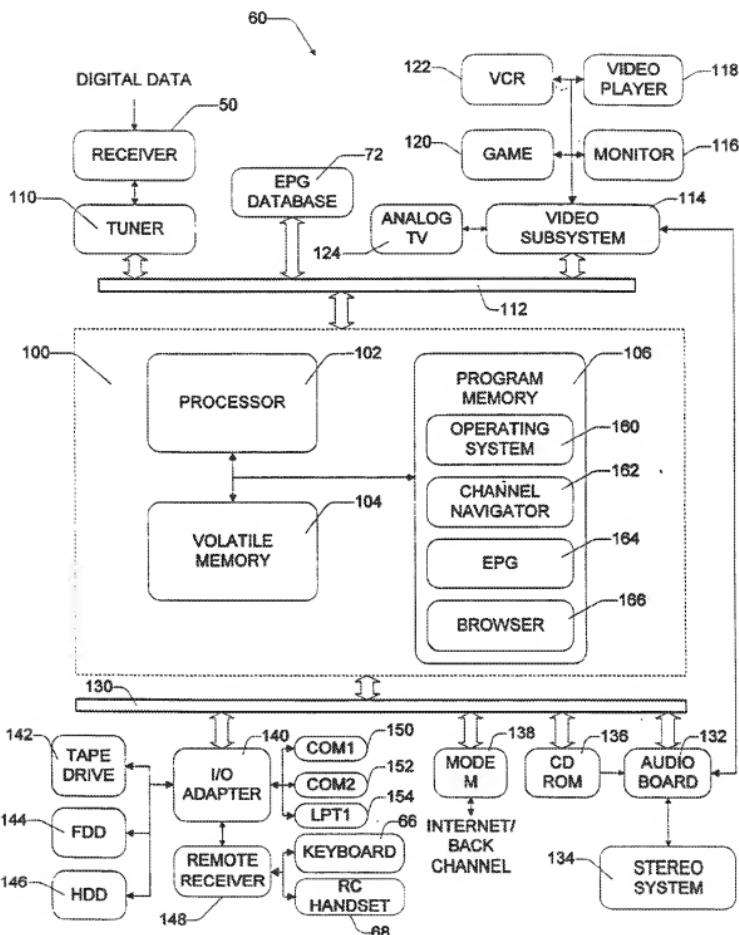


Fig. 5

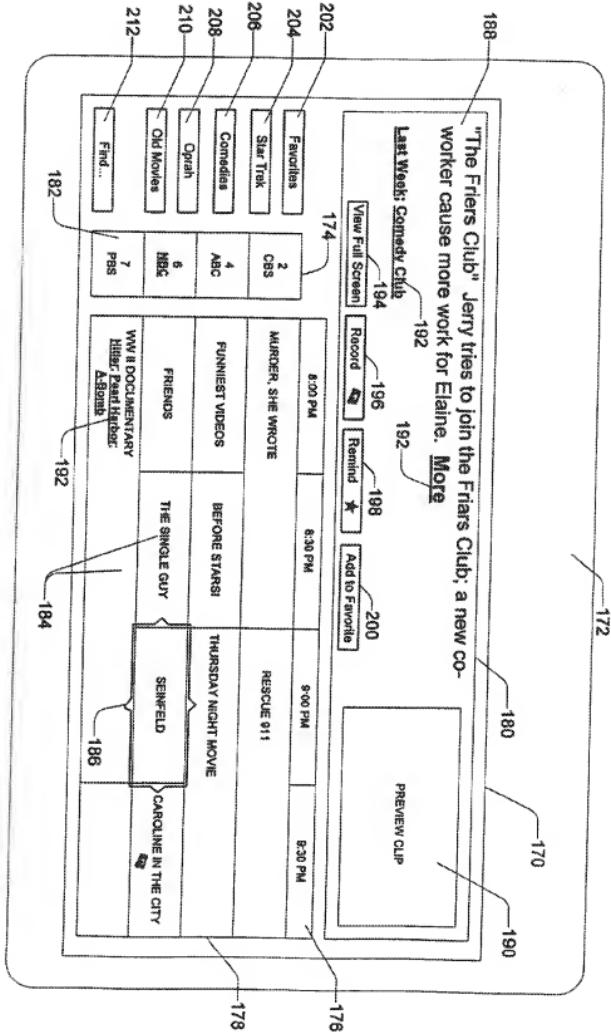


Fig. 6

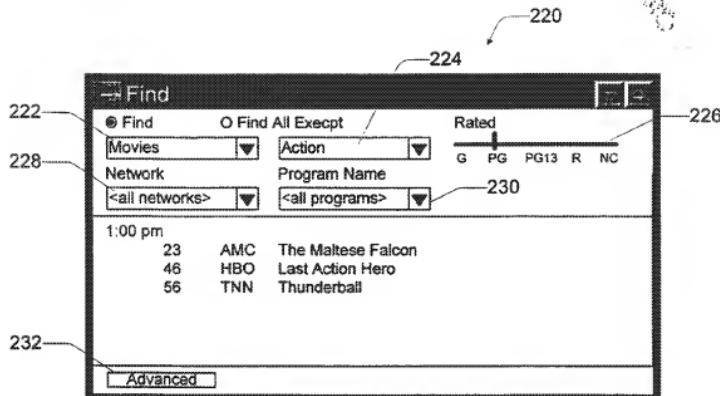


Fig. 7

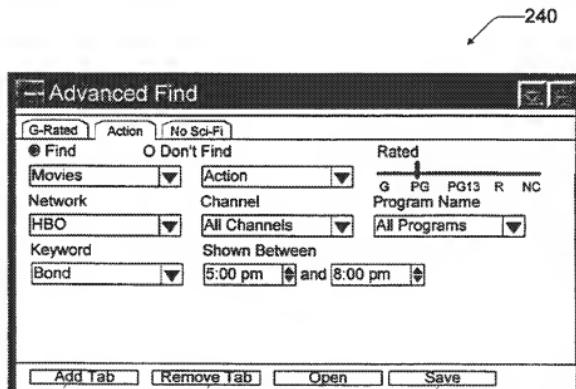


Fig. 8

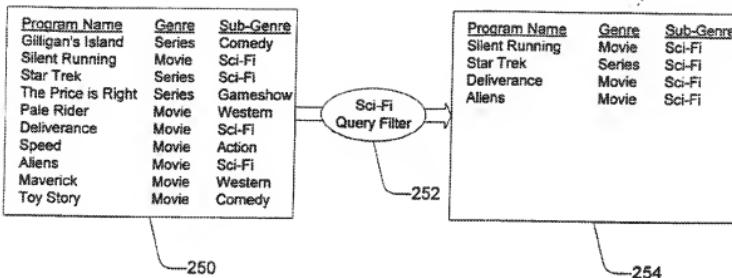


Fig. 9

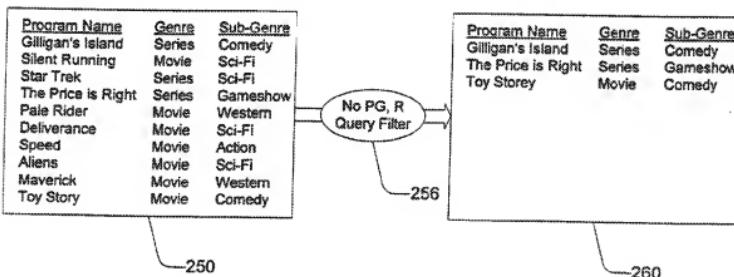


Fig. 10

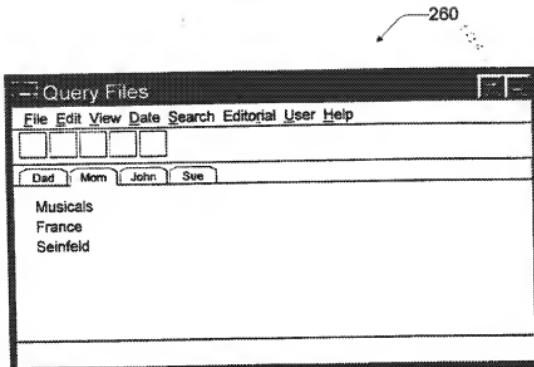


Fig. 11

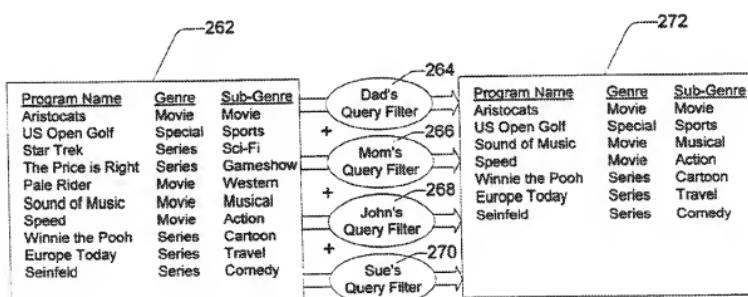
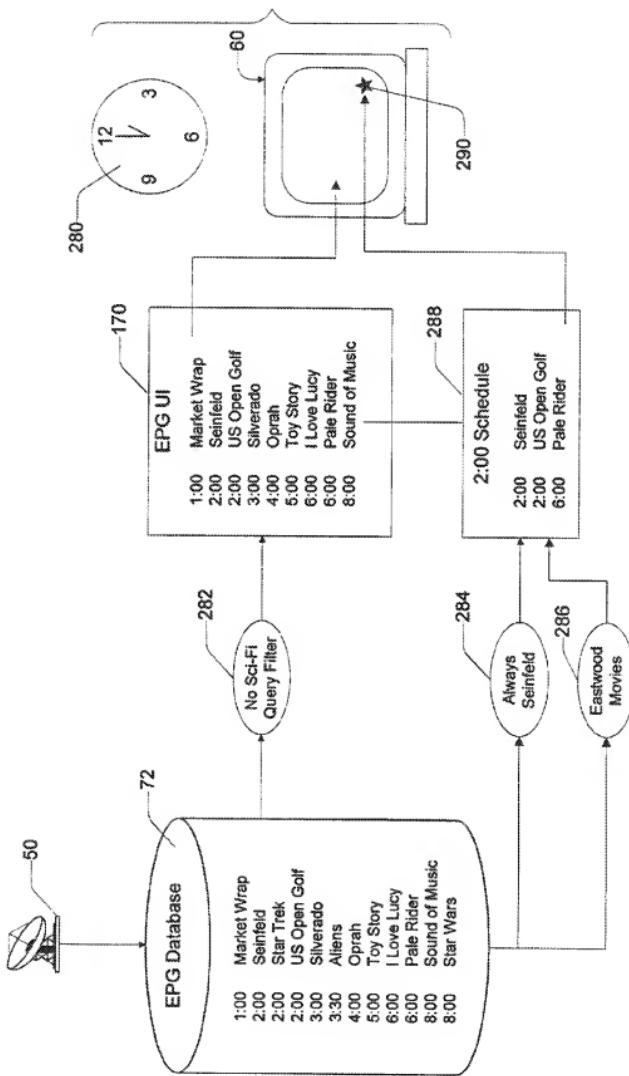
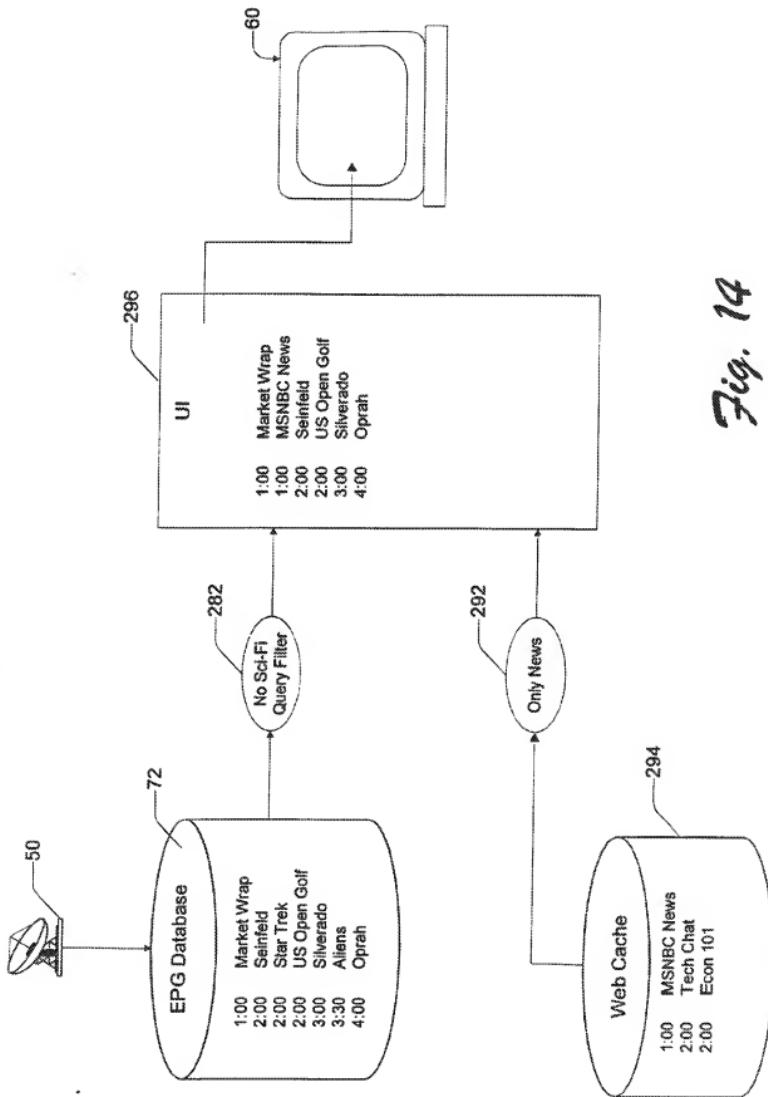


Fig. 12



Zig. 13



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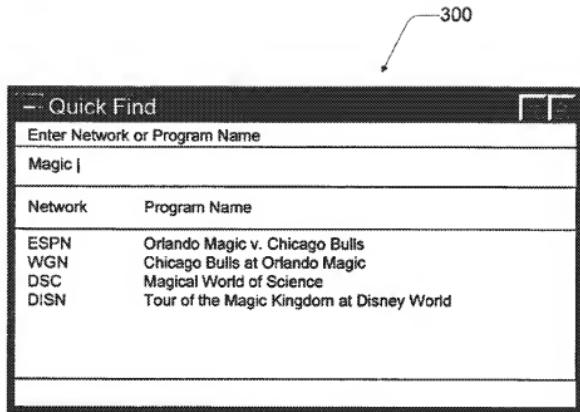


Fig. 15

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(12) (19) (11) (43) Date of A Publication 30.03.2005

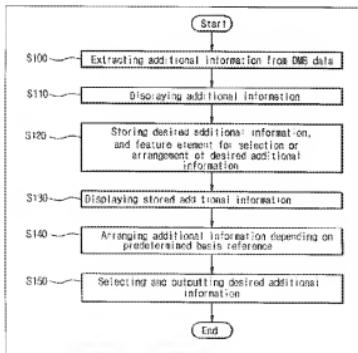
| | | |
|--|------------|---|
| (21) Application No: | 0420710.6 | (51) INT CL ⁷ : H04H 1/00, H04N 5/445 7/025 |
| (22) Date of Filing: | 17.09.2004 | (52) UK CL (Edition X): H4F FBBB H4L LERX |
| (30) Priority Data: | | (56) Documents Cited: EP 1220479 A2 EP 0989695 A2 EP 0961430 A2 EP 0843429 A2 |
| (31) 10200364425 (32) 17.09.2003 (33) KR | | (58) Field of Search: INT CL ⁷ H04B, H04H, H04N Other: Online: WIPI, EPODOC, JAPIO, INSPEC, COMPENDEX |
| (71) Applicant(s): LG Electronics Inc. (Incorporated in the Republic of Korea) 20 Yoido-Dong, Youngdungpo-gu, Seoul, Republic of Korea | | |
| (72) Inventor(s): Jun Kim Sang O Park | | |
| (74) Agent and/or Address for Service: Withers & Rogers Goldings House, 2 Hays Lane, LONDON, SE1 2HW, United Kingdom | | |

(54) Abstract Title: Digital multimedia broadcasting receiver which displays additional information

(57) A method of using additional information at a DMB (Digital Multimedia Broadcasting) receiver includes the steps of: extracting and displaying additional information from a DMB signal; selecting and storing a desired one of the displayed additional information; displaying a list of the stored additional information depending on a user's request command; and outputting additional information selected at the list of the additional information.

A feature element describing a feature of the additional information may be stored and used to arrange the display of additional information or to extract additional information corresponding to the feature element from the received DMB signal. The additional information may be traffic information or news.

FIG. 11



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FIG. 1

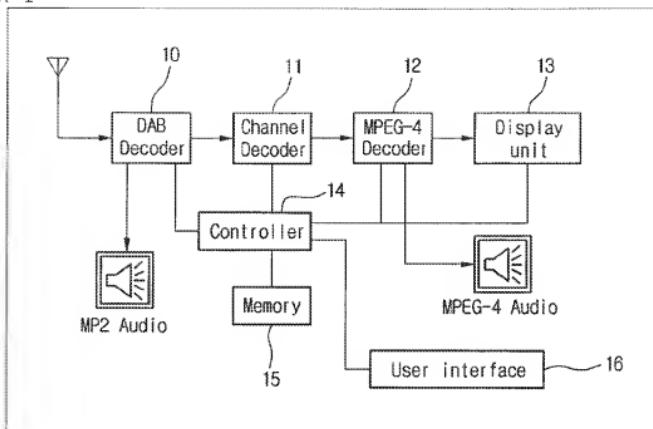


FIG. 2

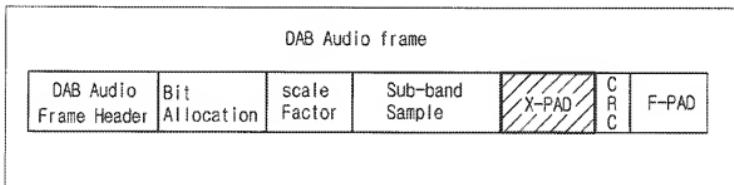


FIG. 3

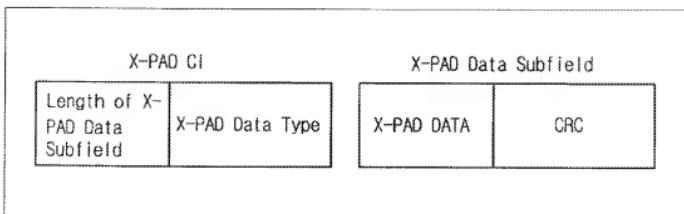


FIG. 4

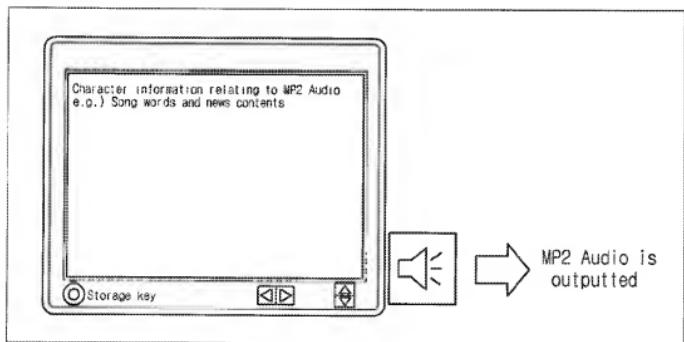


FIG. 5

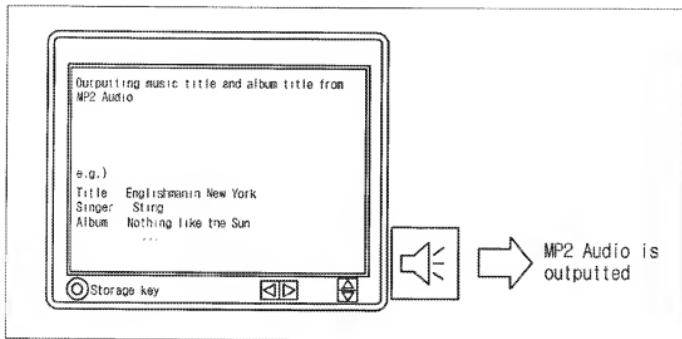


FIG. 6

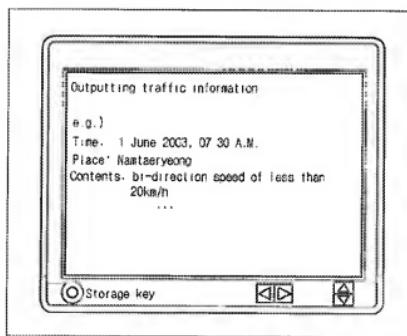


FIG. 7



FIG. 8

| Title | Media kind | Storage time |
|--------------------------------------|-----------------------|--------------|
| 1 : Englishman in New York | Record information | 2003/07/01 |
| 2 : [Economy] stock market crash 600 | Character information | 2003/06/22 |
| 3 : Running the sky | Record information | 2003/06/11 |
| 4 : Nantaeryeong | Traffic information | 2003/06/01 |
| ... | ... | ... |

Storage key Confirmation ◀ ▶ Vol Scroll ◀ ▶

FIG. 9

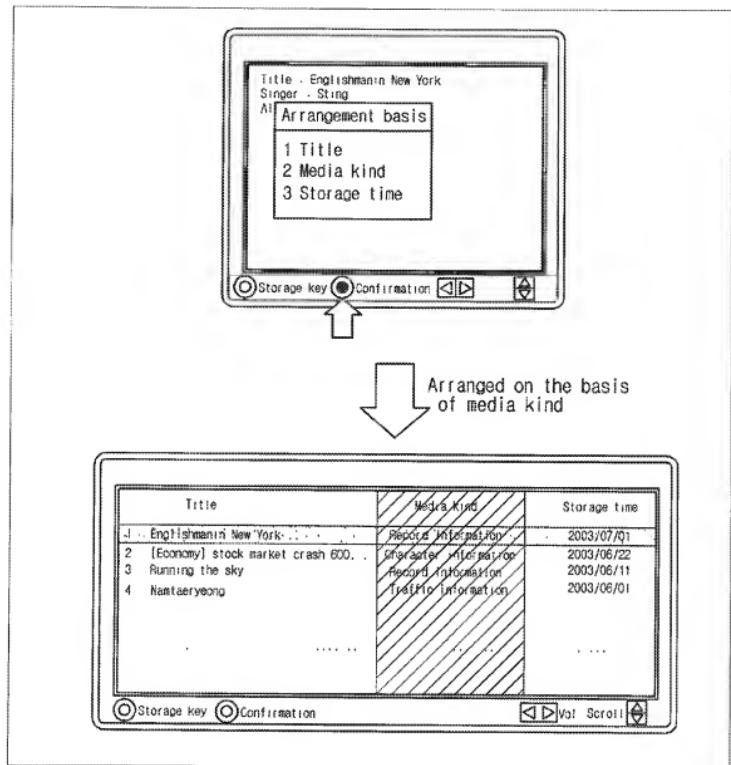


FIG. 10

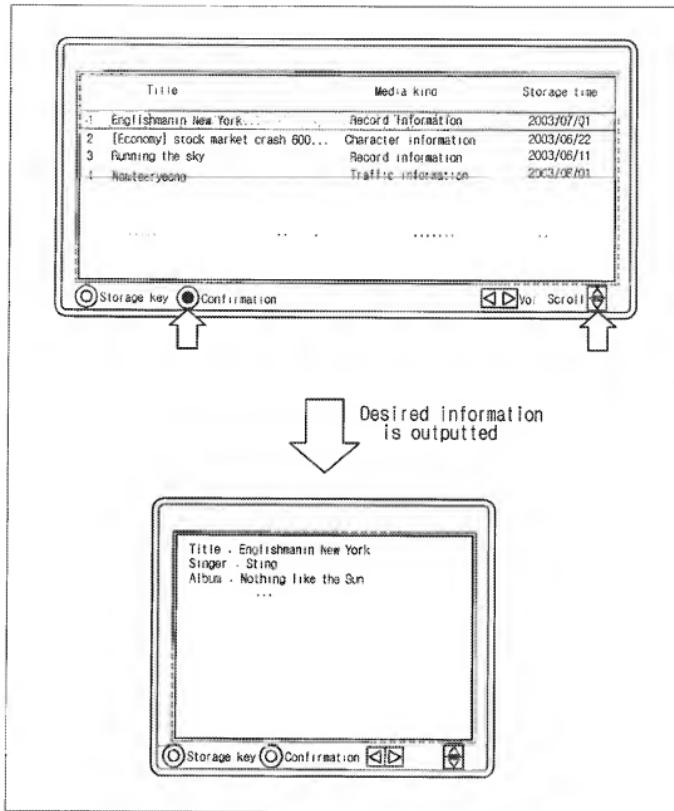


FIG. 11

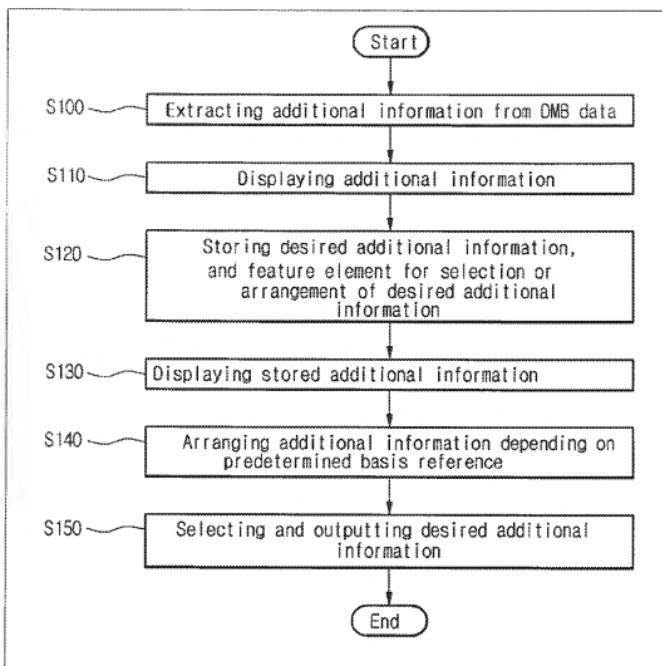


FIG. 12

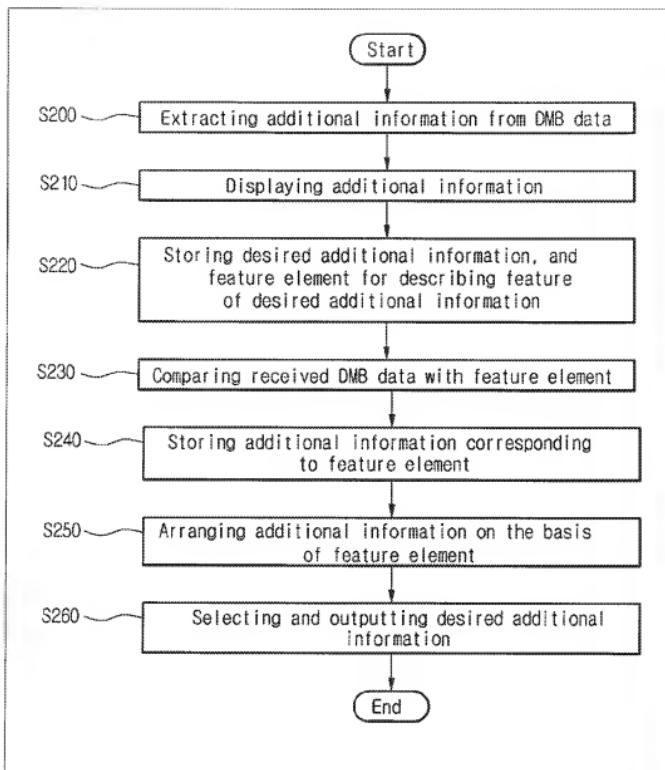
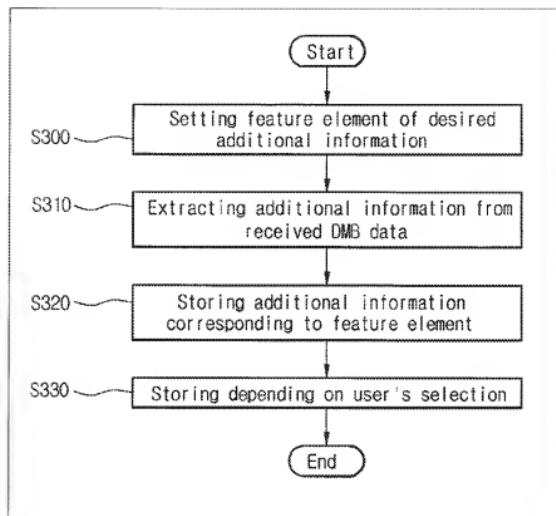


FIG. 13



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(43) International Publication Date
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PCT

(10) International Publication Number
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(51) International Patent Classification²: G06G 3/00. (US). PEARCE, James, Edward [GB/US]; 3889 Northwest 120th Terrace, Portland, Oregon 97229 (US).

(21) International Application Number: PCT/US2004/006672 (74) Agents: TRIPOLI, Joseph, S. et al., 2 Independence Way, Suite 200, Princeton, New Jersey 08540 (US).

(22) International Filing Date: 4 March 2004 (04.03.2004) (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, EC, EL, EG, ES, FI, GB, GD, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SH, SG, SK, SL, SY, TJ, TM, TR, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,

(26) Publication Language: English

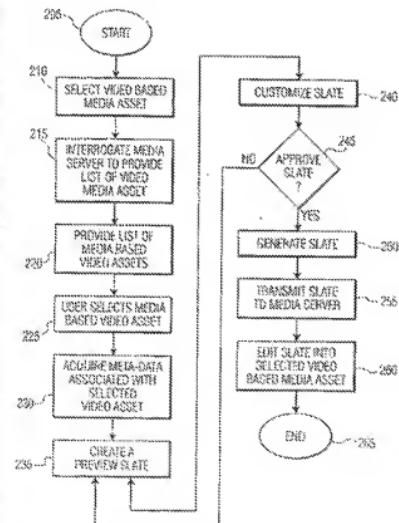
(30) Priority Data: 60/458,653 28 March 2003 (28.03.2003) US

(71) Applicant (for all designated States except US): THOMSON LICENSING S.A. [FR/FR]; 46, Quai A. Le Gallo, F-92648 Boulogne (FR).

(72) Inventors; and (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,

(75) Inventors/Applicants (for US only): IVEY, Matthew, Albert [US/US]; 11296 NW Skyline Boulevard, Portland, Oregon 97231 (US); NAYLOR, John, Robert [GB/US]; 2707 South Shore Boulevard, Lake Oswego, Oregon 97034 (Continued on next page)

(54) Title: SYSTEM AND METHOD FOR AUTOMATICALLY GENERATING A SLATE USING METADATA



(57) **Abstract:** A system (100) and corresponding methods (205-265) are provided for enabling the automatic generation of a slate using metadata. The method comprises the steps of: receiving a request to provide a user with a list of video media assets so the user can select a video media asset to generate a slate (210); providing the user with the list of video media assets (220) and receiving a selected video media asset from the user (225); acquiring metadata associated with the selected video media asset (230), creating a preview of the slate by generating fields that are associated with the acquired metadata (235), generating the slate in response to the user's approval of the previewed slate (250); transmitting the slate to a video server (255); and editing the slate into the selected video media asset (260) so the slate and the video media asset can be viewed in conjunction with each other, thereby providing the user (via the slate) with information about the video media asset such as the video media asset's name, duration, database location, etc.

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(11) EP 1 988 711 A2

(12)

EUROPEAN PATENT APPLICATION

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(84) Designated Contracting States:

(30) Priority: 02.10.1995 US 537650 P
03.05.1996 US 642259 P
26.07.1996 US 22826 P

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:
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96936153.4 / 0 880 856

(71) Applicant: Starsight Telecast, Inc.
Los Angeles,
California 90028 (US)

(72) Inventor: The designation of the inventor has not yet been filed.

(74) Representative: Neobard, William John et al
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Remarks:

This application was filed on 01-08-2008 as a divisional application to the application mentioned under INID code 62.

(54) Systems and methods for providing television schedule information

(57) The present invention provides systems and methods for providing television schedule information to a viewer, and for allowing the viewer to link, search, select and interact with information in a remote database, e.g., a database on the internet. The television schedule information can be displayed on a variety of viewer interfaces, such as television screens (32), computer monitors (10), PCTV screens (362) and the like. The television schedule information may be stored on the viewer's computer (10), television (32), PCTV (362), or a remote server (350), or the television schedule information may be downloaded from a remote database to the viewer's computer (10), television (32) or PCTV (362).

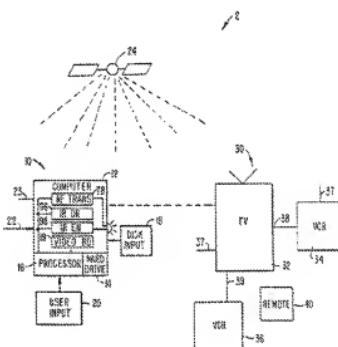


FIG. 1.